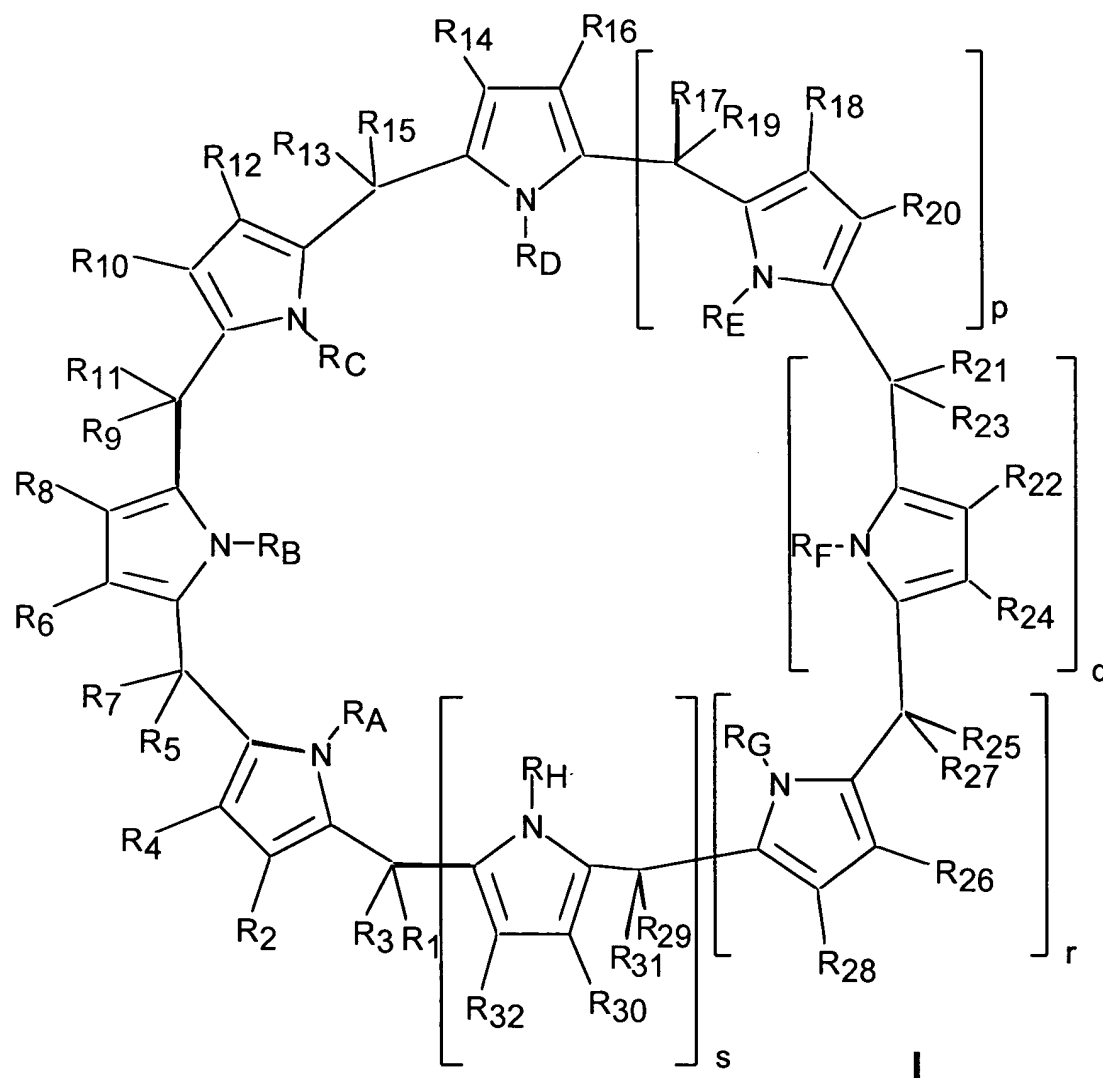


Please amend claims 1-4, 9-11 and 49 and cancel claims 5-8, 31-48 and 50-51 without prejudice to the filing of a divisional application so that the claims read as follows:

1. (currently amended) A ~~compound comprising a~~ β -substituted calix[n]pyrrole macrocycle compound having structure I:



wherein n is 4, 5, 6, 7, or 8; and

when n is 4; $p = q = r = s = 0$, even numbered R substituents are fluoro, chloro, or bromo, odd numbered R substituents are independently as listed in paragraph i) below, and $R_A - R_D$ are independently substituents as listed in paragraph ii) below;

when n is 5; $p = 1$, $q = r = s = 0$, even numbered R substituents are fluoro, chloro, or bromo, odd numbered R substituents are independently as listed in paragraph i) below, and $R_A - R_E$ are independently substituents as listed in paragraph ii) below;

when n is 6; $p = q = 1$, $r = s = 0$, even numbered R substituents are fluoro, chloro, or bromo, odd numbered R substituents are independently as listed in paragraph i) below, and $R_A - R_F$ are independently substituents as listed in paragraph ii) below;

when n is 7; $p = q = r = 1$, $s = 0$, even numbered R substituents are fluoro, chloro, or bromo, odd numbered R substituents are independently as listed in paragraph i) below, and $R_A - R_G$ are independently substituents as listed in paragraph ii) below;

when n is 8; $p = q = r = s = 1$, even numbered R substituents are fluoro, chloro, or bromo, odd numbered R substituents are independently as listed in paragraph i) below, and $R_A - R_H$ are independently substituents as listed in paragraph ii) below;

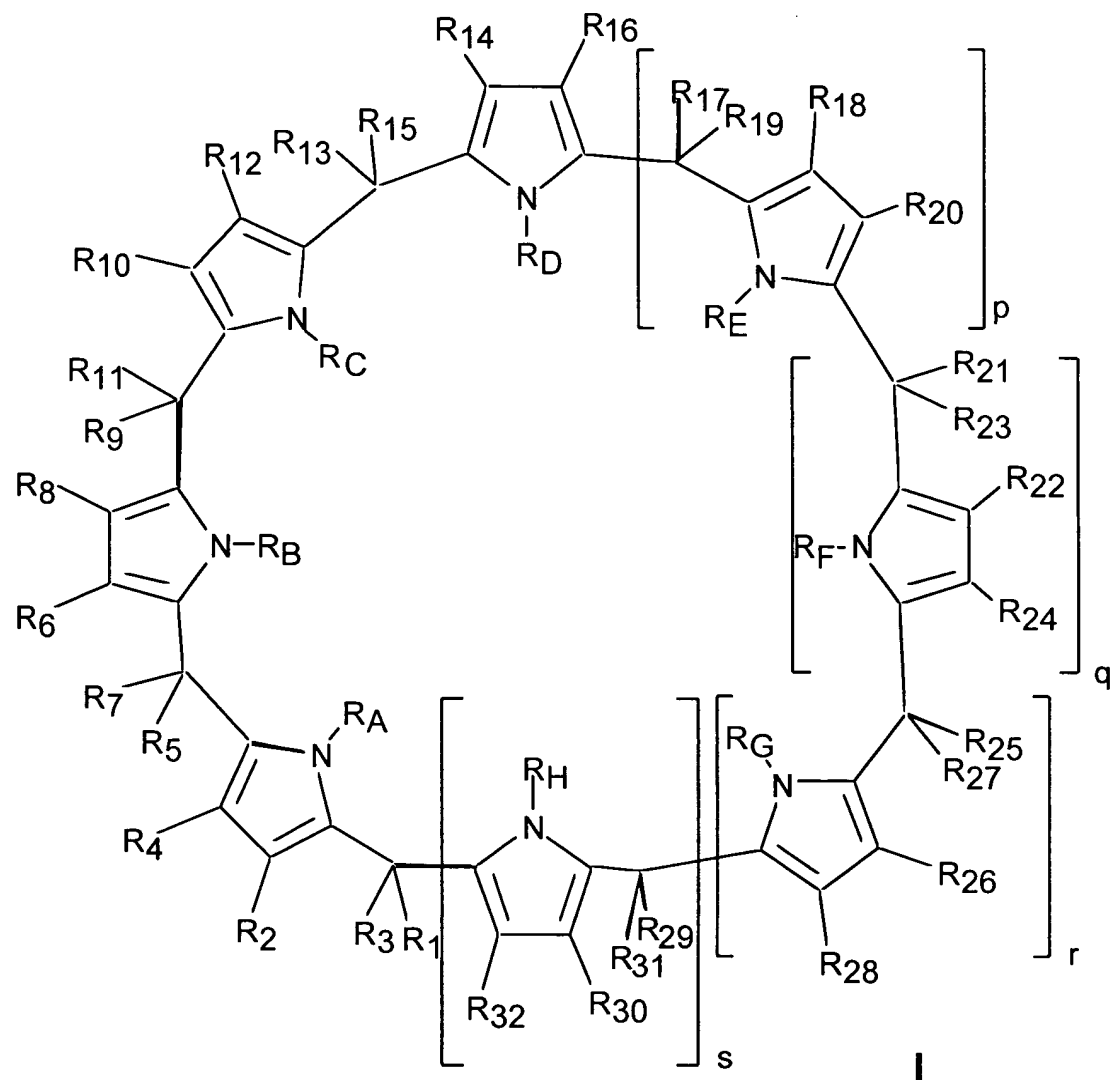
- i) alkyl, alkenyl, alkynyl, aryl, alkylaryl, formyl, acyl, hydroxyalkyl, hydroxyalkoxy, hydroxyalkenyl, hydroxyalkynyl, saccharide, carboxy, carboxyalkyl, carboxyamide, carboxyamidealkyl, alkyl sulfoxide, alkyl sulfone, alkyl sulfide, tetrahydropyran, tetrahydrothiapyran, thioalkyl, haloalkyl, haloalkenyl, haloalkynyl, alkyl ester, a site-directing molecule, a catalytic group, a reporter group, a binding agent, or a couple that is coupled to a site-directing molecule, to a catalytic group, to a reporter group, or to a binding agent;

- ii) hydrogen, alkyl, aminoalkyl, alkylsulfone, carboxy alkyl, carboxyamidealkyl, phospho alkyl, alkyl sulfoxide, alkyl sulfone, alkyl sulfide, haloalkyl, aryl, N-oxide, dialkylamino, carbamate, or arylsulfonyl.

2. (currently amended) The macrocycle compound of Claim 1 wherein n is 4 and $p = q = r = s = 0$.

3. (currently amended) A bridged macrocycle comprising at least one β -substituted calix[n]pyrrole macrocycle according to Claim 1, wherein at least two odd-numbered R substituents are coupled to form a bridged structure or at least two even-numbered R substituents are coupled to form a bridged structure ~~The compound of Claim 1 wherein at least two R substituents are coupled to form a bridged structure, the two R substituents selected from the group consisting of an odd numbered R substituent and a pyrrole R substituent, and when coupled to form a bridged structure, nonbridged substituents are as defined.~~

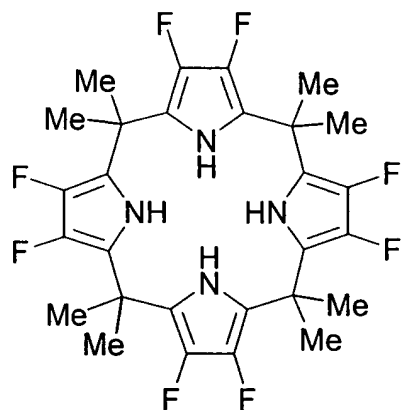
4. (currently amended) ~~A compound comprising a β -substituted calix[n]pyrrole macrocycle~~ compound having structure I:



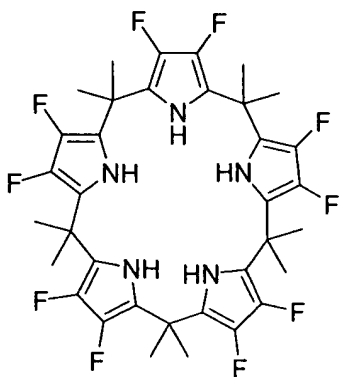
wherein

n is 4; $p = q = r = s = 0$, even numbered R substituents are fluoro, odd numbered R substituents are alkyl, and $R_A - R_D$ are hydrogen.

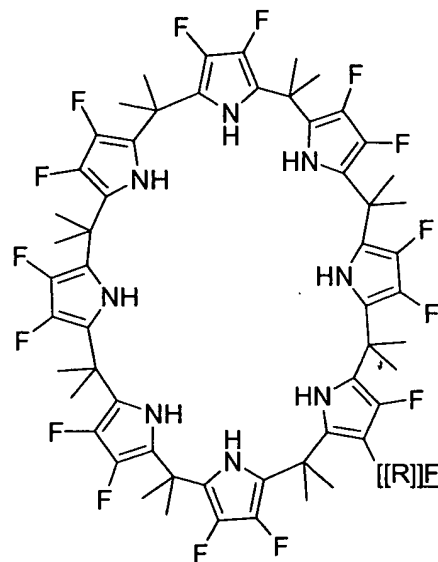
- 5-8. (canceled)
9. (currently amended) The macrocycle compound of Claim 1 wherein n is 5.
10. (currently amended) The macrocycle compound of Claim 1 wherein n is 6 or 7.
11. (currently amended) The macrocycle compound of Claim 1 wherein n is 8.
- 12-48. (canceled)
49. (currently amended) A compound selected from the group consisting of compounds 44, 46, 48, 50, and 52:



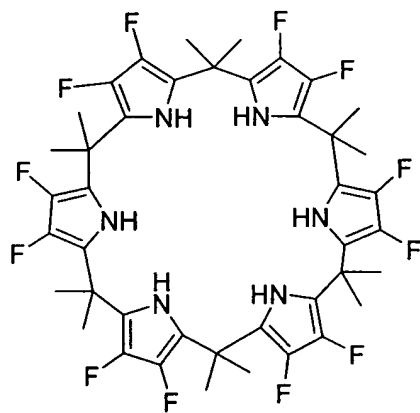
44



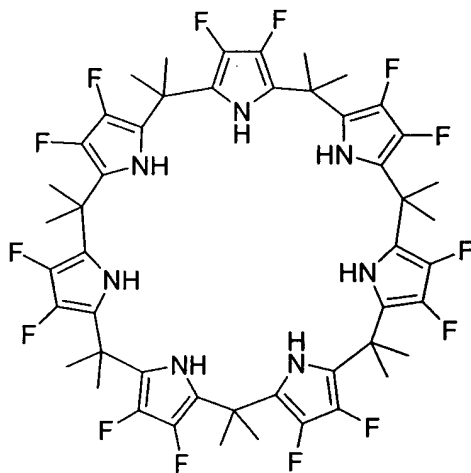
46



48



50



52

50-51. (canceled)